

Product datasheet for **MG209558**

Lcp1 (NM_008879) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lcp1 (NM_008879) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lcp1
Synonyms:	AW536232; D14Ertd310e; LCP-1; Pls2; pp65
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG209558 representing NM_008879
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCAGAGGATCCGTGTCTGACGAAGAAATGATGGAGCTCAGAGAGGCTTTTGCCAAAGTCGATACCG
 ATGGCAACGGATACATCAGCTGCAATGAGCTAAATGACTTGTTC AAGGCCGCTGCCTGCCTCTGCCTGG
 GTACCGAGTGAGAGAAATCACAGAAAACCTGATGGCCACAGGTGATCTGGACCAAGATGGAAGATCAGC
 TTTGATGAGTTTATCAAGGTCTTCCATGGCTTAAAAAGCACCGAGGTTGCCAAAACCTCCGAAAAGCTA
 TCAACAAGAAGGAAGGGATCTGTGCGATTGGCGGCACCTCCGAGCAGTCCAGCGTTGGTACCCAGCACTC
 TTA CT CAGAGGAAGAAAAGTATGCCTTCGTC AACTGGATAAACAAGCCCTGGAGAATGACCCCGACTGC
 CGGCATGTCATCCCATGAACCCCAACACCGACGATCTCTCAATGCTGTAGGCGATGGCATAAGTCTTT
 GTAAAATGATCAACCTGTCTGTGCCAGACAGATTGACGAGAGAACGATCAACAAGAAAAAGCTCACACC
 ATTCACCATT CAGAAAACCTTGAACCTGGCTCTGAACCTGCCTCTGCCATTGGGTGCCAGTGGTTAAT
 ATAGGGGGCCGAGGACCTGAAGGAGGGCAAGCCTTACCTGGTCTGGGACTTTTGTGGCAAGTCATCAAGA
 TTGGGTTGTTTGCTGACATTGAACCTCAGCAGAAATGAAGCTCTGATTGCTCTTTGAGAGAAGGAGAGAG
 CCTAGAGGATTTGATGAAGTTGTCTCCTGAAGAACTCCTGCTGCGGTGGGCTAACTACCACCTAGAAAAC
 GCAGGCTGCACCAAAATCACCAACTCAGCACCGACATCAAGGACTCCAAAGCTTATTACCACCTGCTCG
 AGCAAGTGGTCCAAAAGGAGATGAAGAAGGGATCCCGCGGTTGTGATTGACATGTCAGGACTGAGGGA
 GAAGGATGACATCCAGAGGGCAGAGTGCATGCTGCAACAGGCGGAGAGGCTGGGCTGCCGCGAGTTGTC
 ACAGCTACTGATGTTGTCCGAGGGAACCCCAAGTTGAACCTGGCCTTATTGCCAACCTTCAACAAAT
 ACCCTGCCTTACACAAACCAGAGAACCAGGACATTGACTGGGGGGCTCTCGAAGGTGAGACGAGGGGAAGA
 GCGGACCTTCAGGAATTGGATGAACTCCCTGGGCTTAACCCGCGCTCAATCACTTGACAGTGACTTA
 TCGGATGCCTTAGTCATCTTCCAGCTCTATGAGAAGATCAAAGTCCCTGTTGATTGGAACAGAGTAAACA
 AGCCTCCATACCCCAAGCTGGGGGCAATATGAAAAGCTGGAGAAGTGAATTATGCAAGTGGACCTGGG
 GAAGAATCAAGCTAAATCTCCCTGGTTGGCATCGCAGGACAAGACCTCAATGAAGGAAACCGAACTCTC
 ACGCTGGCATTGGTTTGGCAGCTCATGAGAAGGTACACACTGAATATCCTGGAAGATATCGGAGGTGGAC
 AGAAGGTCAATGATGACATTATTGTCAACTGGGTGAATACGACCTGAAGGAGGCACAGAAAAGCTCATC
 CATTGCTAGCTTCAAGGACCCAAAGATCAGTACCAGCCTCCCGGTTCTGGATCTCATTGACGCCATT CAG
 CCAGGTTCCATAA ACTATGACCTTCTAAAGACAGAAA ACTTGGATGATGAAGAGAACTCAACAATGCAA
 AGTATGCCATCTCTATGGCCAGAAAATCGGAGCAAGGGTGTACGCCCTCCAGAAAGACCTGGTTGAAGT
 GAACCCCAAAATGGTCATGACAGTGTTCCTGCCTCATGGGAAAGGGATGAAGAGGGT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG209558 representing NM_008879
 Red=Cloning site Green=Tags(s)

MARGSVSDEEMMELREAFKVDTDGNGYISCNELNDLFKAACLPLPGYRVREITENLMATGDLDDQDGKIS
 FDEFIKVFHGLKSTEVAKTFRKAI NKKEGICAI GGTSEQSSVGTQHSYSEEEKYAFVNWINKALENDPDC
 RHVIPMNPNTDDLFNAVGDGIVLCKMINLSVPDTIDERTINKKLLTPFTIQENLNLALNSASAIGCHVVN
 IGAEDLKEGKPYLVLLWQVIKIGLFADIELSRNEALIALLREGESLEDLMKLSPEELLLRWANYHLEN
 AGCTKITNFSTDIKDSKAYYHLLQVAPKGDEEGIPAVVIDMSGLREKDDIQRAECMLQQAERLGCROFV
 TATDVVRGNPKLNLAFLIANL FNKYPALHKPENQDIDWGALEGETREERTFRNWMNSLGVNPRVNHLYSDL
 SDALVIFQLYEKIKVPVDWNRVKNPPYKLGGMKLENCNYAVDLGKNQAKFSLVGIAGQDLNEGNRTL
 TLALVWQLMRRYTLNILEDIGGGQKVNDDIIVNWNTTLKEAQKSSIASFKDPKISTSLPVLDLIDAIQ
 PGSINYDLLKTENLDDEEKLNNAKYAI SMARKIGARVYALPEDLVEVNPKMVMVTFACL MGKGMKRV

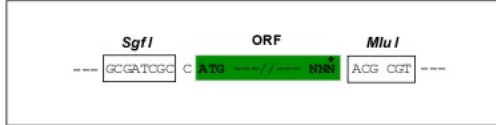
TRTRPLE – GFP Tag – V

Restriction Sites:

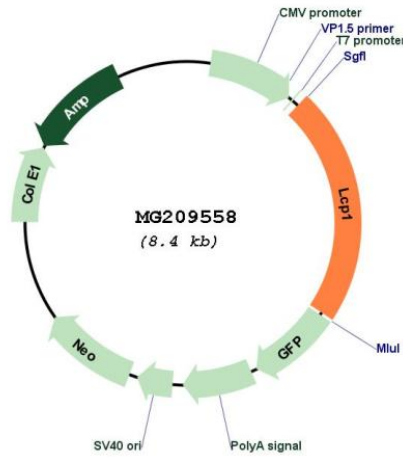
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_008879
 ORF Size: 1881 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_008879.2
RefSeq Size:	3714 bp
RefSeq ORF:	1884 bp
Locus ID:	18826
UniProt ID:	Q61233
Cytogenetics:	14 39.63 cM
Gene Summary:	Actin-binding protein. Plays a role in the activation of T-cells in response to costimulation through TCR/CD3 and CD2 or CD28. Modulates the cell surface expression of IL2RA/CD25 and CD69.[UniProtKB/Swiss-Prot Function]